

DETAILED ACTION

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Claims 2,5-7,10-15,24,25 are allowed because no references show all the claim properties of a method of producing a carbon nanotube comprising: preparing a one dimensional carbon structure; introducing a catalyst substance; making catalyst substance; and crystallizing a trail region of movement of catalyst where step of crystallizing converts trail region to a carbon nanotube where crystallizing trail region is performed after structure is fixed on a predetermined position of a substrate. U.S. patent 6479028 (Kaner, col3, line 16-18, col4, line 15-21) teaches a carbon structure and carbon nanotubes and metal encapsulated within a carbon structure where the reaction is a rapid self propagating reaction involving a carbon compound in the presence of a catalyst, but the U.S. patent 6479028 does not meet the claim limitations of claim 2 because it does not teach a crystallizing trail region performed after one dimensional carbon structure fixed on a predetermined position of a substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

2. Claims 2,5-7,10-15,24,25 are allowed. Claims 1,3,4,8,9,16,17 are cancelled.

Correspondence

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELLE HOU whose telephone number is (571)270-5847. The examiner can normally be reached on Monday to Friday, 8AM EST to 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stan Silverman can be reached on (571)272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

M.H.

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